

SPHERICAL PHOSPHOR AND SYNTHETIC METHOD THEREOF, AND PICTURE TUBE USING SPHERICAL PHOSPHOR AND ITS PRODUCTION

Patent Number: JP9278446

Publication date: 1997-10-28

Inventor(s): MASUDA MUTSUO;; HARUKI SHIGERO

Applicant(s): MATSUSHITA ELECTRON CORP

Requested Patent: JP9278446

Application Number: JP19960115534 19960412

Priority Number(s):

IPC Classification: C01G45/00

EC Classification:

Equivalents:

Abstract

PROBLEM TO BE SOLVED: To provide a phosphor having high light emitting efficiency, to improve the light emitting intensity of a phosphor layer constituting a fluorescent surface of a picture tube or the like.

SOLUTION: A silicon oxide compound having a spherical or almost spherical particle shape is used as a base body and a mixture of zinc or a zinc compound and manganese or a manganese compound with the base body is heated to be fired to obtain almost spherical phosphor. The picture tube having high light emitting intensity is produced by applying the resultant spherical phosphor on the fluorescent surface of the picture tube.

Data supplied from the esp@cenet database - I2